Inventory Management Data Exchange Focus Group

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Agenda

❑ **Purpose, Goals and Approach**

❑ **Progress**

❑ **Need for Data Exchange**

❑ **Initial Data Set**

❑ **Deployment, Transport and Message Format**

❑ **Focus Group Organization & Schedule**

❑ **Open Discussion**

Inventory Management System Mission

To increase the capacity of all levels of public health to track and manage inventory of medical and non-medical countermeasures during daily operations or an emergency response event.

Need for a Nationwide Inventory Management System

Creating a line of sight for inventory, i.e. what is available and on-hand at all levels (state, regional, local and/or point of delivery)

Identifying point of delivery facilities where product is shipped (i.e. hospitals, county health departments etc.)

Determining how much of the product is used/dispensed at the point of delivery location, therefore extending the line of sight

Purpose

- **Continue collaboration of CDC, users, Project Area partners, and inventory management subject matter experts**

- **Develop a uniform messaging interface to exchange inventory data between systems**

- **Gain an understanding of what manual and automated processes are involved in aggregating inventory data from local to state levels**

- **Take advantage of data exchange benefits**
  - DSNS
    - Decreases turn-around time from information request to receipt
  - Project Area partners
    - Eliminates manual reporting

Goals

- **The Inventory Management Development Team is continuing to build upon core system capabilities currently in development**

- **With this Data Exchange Focus Group, our attention is now targeting the exchange of inventory data from existing systems already in use to the new IM system**
  - For example, exchange Countermeasure Situation Report data

Approach

- ❑ **Gain an understanding of what COTS products and custom products are currently being used for inventory management and the data extraction capabilities**
  - ▪ Includes data fields being captured so they can be mapped to fields in the IM system under development
- ❑ **Standard method for identifying products**
- ❑ **Process for the actual exchange of data**
  - ▪ Public Health Information Network Messaging System (PHINMS) and other available and approved messaging systems

Inventory Management System Progress

- **Phase I: Kickoff April 2010**
  - Worked with states and locals, DSNS and Public Health Informatics Institute (PHII)
    - Key Informant Interviews
    - High-level business processes
  - Work Group 1 – Atlanta, GA (June 2010)
  - Work Group 2 – Chicago, IL (August 2010)
  - SNS Summit
    - Presentation, CRA demonstration and roundtable discussion
- **Phase II: Began hosting bi-weekly technical requirements webinars**
  - CTS team integrated state and local work group members into the Agile development process
  - Interactive requirements review, screen mock-ups and business rules
  - Periodic demonstration of IM system prior to production deployment

Need for Data Exchange

- The successful data exchange between the new IM system and existing systems will provide greater visibility of assets down to the POD level

- Including the Countermeasure Situation Report, data exchange will streamline reporting during an event

Initial Data Set

Inventory Data Sharing

Inventory Location			Product Description	Manufacture	Catalog/Stock Number	Size	National Drug Code	Lot number	Expiration Date	Unit of Issue (Units/Case)	On- hand Quantity	
											Cases	Units
State RSS		City										
Regional Distribution Node (if applicable)												
Facility Name		City										
Facility Name												
Facility Name												
<<Continue>>												
Local Level												
Facility Name	Facility Type	City										
Facility Name												
Facility Name												
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Facility Types:

1. Point of Dispensing, Open
2. Point of Dispensing, Closed
3. Local Health Department
4. Hospital
5. Emergency Medical Services
6. Nursing home/assisted living facilities
7. Visiting Nurses/Home Health
8. Federally Qualified Community Health Clinic (HRSA funded)
9. Community Clinic, Other (non-profit community clinics)
10. Indian Health Service Center/Hospital
11. Tribal Government
12. Alternate Care Facility
13. Private physician(s)
14. Commercial Pharmacy
15. Correctional facilities (Fed/State/County/City)
16. Federal facilities (VA, DoD, Agencies)
17. Storage facility, for future deployment
18. Other

Deployment, Transport and Message Format

- ❑ **Deployment**
  - ▪ **Will be deployed centrally**
  - ▪ **Can be deployed at the state or local level**
- ❑ **Transport – PHINMS**
  - ▪ **Secure point-to-point file transfer tool**
  - ▪ **Free software available from CDC**
  - ▪ **In use at almost every Project Area**
- ❑ **Single standard message format**
  - ▪ **Delimited text, XML, etc.**

Focus Group Organization

❑ **Frequency**

- ▪ **Data exchange focus group meetings will be scheduled on a regular basis**

- ▪ **Prior to each meeting, focus group members will be notified of the topic, agenda and be provided with meeting materials**

❑ **Duration**

- ▪ **Each webinar meeting will last approximately 1 hour but will remain flexible depending on scope of discussion**

All focus group members are invited to participate in the interactive discussion!

Contact Information

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Open Discussion

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